## **Claims**

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- 1. A bituminous binder composition comprising:
  - (a) 60 99.75 wt.% bitumen;
  - (b) 0.05 5.0 wt.% of an elastomer;
    - (c) 0.1 30.0 wt.% of a mono-alkyl ester of a vegetable oil or an animal oil; and
    - (d) 0.1 5.0 of an amide additive;

based on the total weight of the bituminous binder composition.

- 2. Bituminous binder composition according to claim 1, wherein the bitumen is a paraffinic or a naphtenic bitumen with an average penetration of 10 to 350·10<sup>-1</sup> mm.
  - 3. Bituminous binder composition according to claim 1 or claim 2, wherein the elastomer is a polymer or a resin comprising two adjacent butadiene units.
- 4. Bituminous binder composition according to any one of the preceding claims, wherein the elastomer is a polybutadiene, a butadiene-styrene diblock copolymer, a styrene-butadiene-styrene triblock terpolymer, a isoprene-styrene diblock copolymer or a styrene-isoprene-styrene triblock terpolymer.
- 5. Bituminous binder composition according to any one of the preceding claims, wherein the composition comprises 0.1 to 4.5 wt.% of the elastomer, based on the total weight of the bituminous binder composition.
  - 6. Bituminous binder composition according to any one of the preceding claims, wherein the mono-alkyl ester of the vegetable or animal oil comprises a C<sub>1</sub>-C<sub>4</sub> alkyl ester of an unsaturated fatty acid.
- 25 7. Bituminous binder composition according to claim 6, wherein the mono-alkyl ester of the vegetable or animal oil is a rapeseed methylmonoester, a sunflower methyl monoester, an isomerised sunflower methyl monoester, or a mixture thereof.
- 8. Bituminous binder composition according to any one of the preceding claims,
  wherein the bituminous binder composition comprises 0.3 to 25.0 wt.% of the
  mono-alkyl ester of the vegetable or animal oil, based on the total weight of the
  bituminous binder composition.

- Bituminous binder composition according to any one of the preceding claims, wherein the bituminous binder composition comprises a curing agent.
- 10. Bituminous binder composition according to claim 9, wherein the curing agent is a sulfur-donor compound.
  - 11. Bituminous binder composition according to claim 9 or claim 10, wherein the bituminous binder composition comprises 0.01 to 1.0 wt.% of the curing agent, based on the total weight of the composition.
  - 12. A process for preparing a bituminous binder composition comprising the steps of:
- 10 (ii) mixing components (b) and (c) at a temperature of 50° to 150°C;

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- (iii) adding at least a part of the mixture as obtained in step (i) to component (a) that has been preheated to a temperature in the range of 100° to 210°C;
- (iv) adding component (d) to the mixture as obtained in step (ii); and
- (v) optionally adding a curing agent to mixture as obtained in step (iii).
- 15 13. Bituminous binder composition obtainable by the process according to claim 12.
  - 14. Use of a bituminous binder composition according to any one of claims 1 11 or13 in surface dressing, in particular road construction, road renovation, joint filling and sealing purposes.